

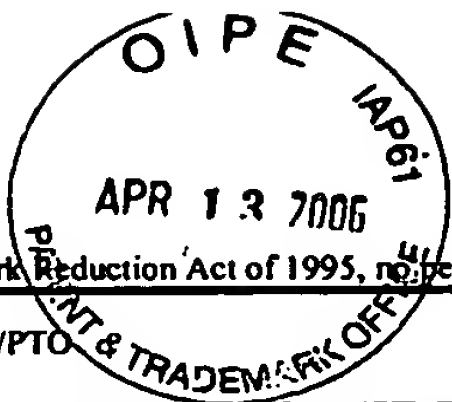
Substitute for form 1449A-RTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/963,698
Sheet 1 of 1				Filing Date	September 26, 2001
				First Named Inventor	Barany et al.
				Art Unit	1639
				Examiner Name	P. Ponnaluri
				Attorney Docket Number	19603/3355 (CRF D-1595E)
U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SL	1	US-5,035,996	07-30-1991	Hartley	
	2	US-5,104,792	04-14-1992	Silver et al.	
	3	US-5,314,809	05-24-1994	Erlich et al.	
	4	US-5,407,798	04-18-1995	Martinelli et al.	
	5	US-5,418,149	05-13-1995	Gelfand et al.	
	6	US-5,512,441	04-30-1996	Ronai	
	7	US-5,536,649	07-16-1996	Fraiser et al.	
	8	US-5,593,840	01-14-1997	Bhatnagar et al.	
	9	US-5,731,171	03-24-1998	Bohlander	
	10	US-5,800,984	09-01-1998	Vary	
	11	US-5,868,136	02-09-1999	Fox et al.	
	12	US-5,876,924	03-02-1999	Zhang et al.	
	13	US-5,912,148	06-15-1999	Eggerding	
	14	US-5,932,711	08-03-1999	Boles et al.	
	15	US-5,942,391	08-24-1999	Zhang et al.	
	16	US-6,156,501	12-05-2000	McGall et al.	
	17	US-6,569,647	05-27-2003	Zhang et al.	
	18	US-2003/0175750 A1	09-18-2003	Barany et al.	
	19	US-6,852,487	02-08-2005	Barany et al.	
FOREIGN PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	20	EP 0 357 011 A2	08-30-1989	Laffler et al.	
	21	EP 0 387 696 A2	03-08-1990	McMahan et al.	
	22	EP 0 624 643 A2	11-17-1994	Fraiser et al.	
	23	EP 0 628 640 A1	12-14-1994	Walker et al.	
	24	WO 95/35390	12-28-1995	Zhang	
	25	WO 96/06190	02-29-1996	Eggerding	
	26	WO 97/31256	08-28-1997	Barany et al.	
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
SL	27	"Nucleic Acid Hybridisation: A Practical Approach," B.D. Harnes & S.J. Higgins eds., IRL Press, Oxford, Washington D.C., pp. 5-7 (1985)			
Examiner Signature	/Sue Liu/			Date Considered	05/22/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

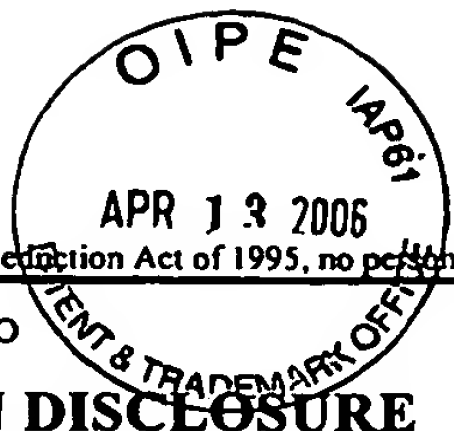
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/963,698
				Filing Date	September 26, 2001
				First Named Inventor	Barany et al.
				Group Art Unit	1639
				Examiner Name	P. Ponnaluri
Sheet	2	of	4	Attorney Docket Number	19603/3355 (CRF D-1595E)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
SL	28	"Acrylamide" <i>Wikipedia Encyclopedia</i> , Retrieved from the internet at http://en.wikipedia.org/wiki/Acrylamide on September 15, 2005			
	29	BIANCALANA et al., "Moderate Instability of the Trinucleotide Repeat in Spino Bulbar Muscular Atrophy," <i>Hum. Mol. Genet.</i> 1(4):255-258 (1992)			
	30	BRONNER et al., "Mutation in the DNA Mismatch Repair Gene Homologue <i>hMLH1</i> is Associated with Hereditary Non-Polyposis Colon Cancer," <i>Nature</i> 368:258-261 (1994)			
	31	CAIRNS et al., "Homozygous Deletions of 9p21 in Primary Human Bladder Tumors Detected by Comparative Multiple Polymerase Chain Reaction," <i>Cancer Res.</i> 54:1422-1424 (1994)			
	32	CAWKWELL et al., "Frequency of Allele Loss of <i>DCC</i> , <i>p53</i> , <i>RBI</i> , <i>WT1</i> , <i>NF1</i> , <i>NM23</i> , and <i>PC/MCC</i> in Colorectal Cancer Assayed by Fluorescent Multiplex of Polymerase Chain Reaction," <i>Br. J. Cancer</i> 70(5):813-818 (1994)			
	33	CELI et al., "A Rapid and Versatile Method to Synthesize Internal Standards for Competitive PCR," <i>Nucleic Acids Research</i> 21(4):1047 (1993)			
	34	CHUNG et al., "Evidence for a Mechanism Predisposing to Intergenerational CAG Repeat Instability in Spinocerebellar Ataxia Type I," <i>Nat. Genet.</i> 5:254-258 (1993)			
	35	DENG et al., "An Improved Method of Competitive PCR for Quantitation of Gene Copy Number," <i>Nucleic Acids Research</i> 21(20):4848-4849 (1993)			
	36	FISHEL et al., "The Human Mutator Gene Homolog <i>MSH2</i> and its Association with Hereditary Nonpolyposis Colon Cancer," <i>Cell</i> 75:1027-1038 (1993)			
	37	GONZALEZ-ZULUETA et al., "Microsatellite Instability in Bladder Cancer," <i>Cancer Res.</i> 53:5620-5623 (1993)			
	38	HAN et al., "Genetic Instability in Pancreatic Cancer and Poorly Differentiated Type of Gastric Cancer," <i>Cancer Res.</i> 53:5087-5089 (1993)			
	39	HSUIH et al., "Novel, Ligation-Dependent PCR Assay for Detection of Hepatitis C Virus in Serum," <i>J. Clin. Microbiol.</i> 34(3):501-507 (1996)			
	40	IMBERT et al., "Origin of the Expansion Mutation in Myotonic Dystrophy," <i>Nat. Genet.</i> 4:72-76 (1993)			
↓	41	IONOV et al., "Ubiquitous Somatic Mutations in Simple Repeated Sequences Reveal a New Mechanism for Colonic Carcinogenesis," <i>Nature</i> 363:558-561 (1993)			
Examiner Signature	/Sue Liu/			Date Considered	05/22/2006

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

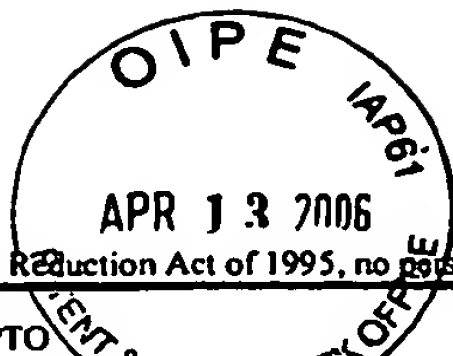
¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/963,698
				Filing Date	September 26, 2001
				First Named Inventor	Barany et al.
				Group Art Unit	1639
				Examiner Name	P. Ponnaluri
Sheet	3	of	4	Attorney Docket Number	19603/3355 (CRF D-1595E)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
SL	42	KOIDE et al., "Unstable Expansion of CAG Repeat in Hereditary Dentatorubral-Pallidolusian Atrophy (DRPLA)," <i>Nat. Genet.</i> 6:9-13 (1994)			
	43	KREMER et al., "Mapping of DNA Instability at the Fragile X to a Trinucleotide Repeat Sequence p(CCG) _n ," <i>Science</i> 22:1711-1714 (1991)			
	44	LEACH et al., "Mutations of a <i>mutS</i> Homolog in Hereditary Nonpolyposis Colorectal Cancer," <i>Cell</i> 75:1215-1225 (1993)			
	45	MAO et al., "Microsatellite Alterations As Clonal Markers for the Detection of Human Cancer," <i>Proc. Natl. Acad. Sci. USA</i> 91:9871-9875 (1994)			
	46	MAO et al., "Molecular Detection of Primary Bladder Cancer by Microsatellite Analysis," <i>Science</i> 271:659-662 (1996)			
	47	MERLO et al., "Frequent Microsatellite Instability in Primary Small Cell Lung Cancer," <i>Cancer Res.</i> 54:2098-2101 (1994)			
	48	NAWROZ et al., "Allelotype of Head and Neck Squamous Cell Carcinoma," <i>Cancer Res.</i> 54:1152-1155 (1994)			
	49	NEWTON et al., "The Production of PCR Products with 5' Single-Stranded Tails Using Primers That Incorporate Novel Phosphoram Phosphoramidite Intermediates," <i>Nucleic Acids Research</i> 21(5):1155-1162 (1993)			
	50	NILSSON et al., "Padlock Probes: Circularizing Oligonucleotides for Localized DNA Detection," <i>Science</i> 265:2085-2088 (1994)			
	51	ORR et al., "Expansion of an Unstable Trinucleotide CAG Repeat in Spinocerebellar Ataxia Type 1," <i>Nat. Genet.</i> 4:221-226 (1993)			
	52	PAPADOPOULOS et al., "Mutation of a <i>mutl</i> . Homolog in Hereditary Colon Cancer," <i>Science</i> 263:1625-1629 (1994)			
	53	PARK et al., "Detection of HCV RNA Using Ligation-Dependent Polymerase Chain Reaction in Formalin-Fixed, Paraffin-Embedded Liver Tissue," <i>Am. J. Pathology</i> 149(5):1485-1491 (1996)			
↓	54	PEINADO et al., "Isolation and Characterization of Allelic Losses and Gains in Colorectal Tumors by Arbitrarily Primed Polymerase Chain Reaction," <i>Proc. Natl. Acad. Sci. USA</i> 89:10065-10069 (1992)			
Examiner Signature	/Sue Liu/			Date Considered	05/22/2006

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/963,698
				Filing Date	September 26, 2001
				First Named Inventor	Barany et al.
				Group Art Unit	1639
				Examiner Name	P. Ponnaluri
Sheet	4	of	4	Attorney Docket Number	19603/3355 (CRF D-1595E)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
SL	55	PELTOMÄKI et al., "Microsatellite Instability is Associated with Tumors That Characterize the Hereditary Non-Polyposis Colorectal Carcinoma Syndrome," <i>Cancer Res.</i> 53:5853-5855 (1993)			
	56	RADFORD et al., "Allelotyping of Ductal Carcinoma <i>in Situ</i> of the Breast: Deletion of Loci on 8p, 13q, 16q, 17p and 171," <i>Cancer Res.</i> 55:3399-3406 (1995)			
	57	RISINGER et al., "Genetic Instability of Microsatellites in Endometrial Carcinoma," <i>Cancer Res.</i> 53:5100-5103 (1993)			
	58	RUPPERT et al., "Evidence for Two Bladder Cancer Suppressor Loci on Human Chromosome 9," <i>Cancer Res.</i> 53:5093-5095 (1993)			
	59	SYVÄNEN et al., "Identification of Individuals by Analysis of Biallelic DNA Markers, Using PCR and Solid-Phase Minisequencing," <i>Am. J. Hum. Genet.</i> 52:46-59 (1993)			
	60	THE HUNTINGTON'S DISEASE COLLABORATIVE RESEARCH GROUP, "A Novel Gene Containing a Trinucleotide Repeat That is Expanded and Unstable on Huntington's Disease Chromosomes," <i>Cell</i> 72:971-983 (1993)			
	61	THIBODEAU et al., "Microsatellite Instability in Cancer of the Proximal Colon," <i>Science</i> 260:816-819 (1993)			
✓	62	VAN DER RIET et al., "Frequent Loss of Chromosome 9p21-22 Early in Head and Neck Cancer Progression," <i>Cancer Res.</i> 54:1156-1158 (1994)			
	63	WEGMÜLLER et al., "Combination of Oligonucleotide Ligation and PCR to Detect Point Mutations," (unpublished)			
SL	64	WEISSENBAACH et al., "A Second-Generation Linkage Map of the Human Genome," <i>Nature</i> 359:794-801 (1992)			
	65	ZEBALA et al., "Characterization of Steady State, Single-Turnover, and Binding Kinetics of the <i>TaqI</i> Restriction Endonuclease," <i>J. Biol. Chem.</i> 267(12):8097-8105 (1992)			
	66	ZEBALA et al., "Implications for the Ligase Chain Reaction in Gastroenterology," <i>J. Clin. Gastroenterol.</i> 17(2):171-175 (1993)			
	67	ZIRVI et al., "Improved Fidelity of Thermostable Ligases for Detection of Microsatellite Repeat Sequences Using Nucleoside Analogs," <i>Nucleic Acids Res.</i> 27(24):e41 (1999)			
✓	68	ZIRVI et al., "Ligase-Based Detection of Mononucleotide Repeat Sequences," <i>Nucleic Acids Res.</i> 27(24):e40 (1999)			
Examiner Signature	/Sue Liu/			Date Considered	05/22/2006

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.